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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,086	09/04/2001	Tetsuro Kimura	05225.0219	3779

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Finnegan, Henderson, Farabow,
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EXAMINER

BATAILLE, PIERRE MICHE

ART UNIT	PAPER NUMBER
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2186

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/944,086

Applicant(s)

KIMURA, TETSURO

Examiner

Pierre-Michel Bataille

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3 & 4.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This Office Action is taken in conjunction with examination of the present application. Information disclosure statement and documents and claim for priority have been acknowledged. Claims 1-19 are pending in the application under prosecution.
2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by US 6,522,654 (Small).

With respect to claims 1, 10, and 19, Small discloses an information processing apparatus and method ***[programmable computer interface method and system (Fig. 3)]***, comprising: a program processing unit configured to execute a program described as an object-oriented language executed by a platform-independent machine language

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[computer based network device or processing network nodes (col. 3, Lines 51-56)]; a monitor unit configured to monitor a change of a network address of the information processing apparatus ***[monitoring means to monitor changes in network addresses assigned to nodes (abstract; Col. 3, Lines 60-63)];*** and a reference provision unit configured to provide a new network address of the information processing apparatus for another information processing apparatus when said monitor unit detects the change of the network address of the information processing apparatus ***[software interface for monitoring the network to identify a change of physical address assigned to the nodes and for receiving an updated physical address provided by the network devices when the updated physical address for a device on said network is determined (abstract; Col. 3, Line 64 to Col. 4, Line 2)].***

With respect to claims 2 and 11, Small discloses a remote reference control unit configured to create a remote reference representing a location address of a server object when the server object is generated in the information processing apparatus, the remote reference including a network address and a port number of the information processing apparatus ***[address resolution table in application comprising logical address based network protocol suite for maintaining updated network addresses configured for comparison (Fig. 6A; Col. 4, Lines 5-17, Lines 33-44)].***

With respect to claims 3 and 12, Small discloses provision unit registering the remote reference in a directory service program in the other information processing apparatus connected to a network, another information processing apparatus referring

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to the remote reference through the network to access the server object ***[maintaining address resolution table updated to identify new physical addresses (Fig. 6A; Col. 4, Lines 18-33)]***.

With respect to claims 4 and 13, Small discloses said monitor unit detecting the change of the network address of the information processing apparatus, wherein said remote reference control unit updates the remote reference by using the new network address, and wherein said provision unit newly registers the updated remote reference in the dictionary service program ***[receiving response which identify new network address and updating the maintained address resolution table to identify new physical addresses (Fig. 6A; Col. 4, Lines 18-33)]***.

With respect to claims 5 and 14, Small discloses a memory configured to store a class file describing a procedure necessary for another information processing apparatus to process a received object from the information processing apparatus ***[data packet associated with a logical address base network protocol suite, access table to obtain new physical address for the second device base on the logical address (Col. 4, Lines 44-57)]***.

With respect to claims 6 and 15, Small discloses said remote reference control unit including a management unit configured to manage a location address of the class file ***[data packet associated with a logical address base network protocol suite, access table to obtain new physical address for the second device base on the logical address (Col. 4, Lines 44-57)]***.

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With respect to claims 7 and 16, Small discloses said monitor unit detects the change of the network address of the information processing apparatus wherein said remote reference control unit updates the codebase by using the new network address ***[receiving response which identify new network address and updating the maintained address resolution table to identify new physical addresses (Fig. 6A; Col. 4, Lines 18-33)]***.

With respect to claims 8 and 17, Small discloses said memory stores a plurality of classes including the class file, and further comprising a class loader configured to store a location address of each of the plurality of classes, when said monitor unit detects the change of processing the network address of the information apparatus, updates the location address in the local codebase by using the new network address ***[receiving response which identify new network address and updating the maintained address resolution table to identify new physical addresses (Fig. 6A; Col. 4, Lines 18-33)]***.

With respect to claims 9 and 18, Small discloses the information processing apparatus is a server program to a service terminal executing provide the service in response to a request from another information processing apparatus as a client's terminal ***[programmable computer interface system configured for servicing requests on a network (Fig. 3; Col. 4, Lines 63 to Col. 5, Line 6)]***.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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US 2002/0188657 (Traversat et al) teaching network resources changing network addresses with identifier bound to the new network address providing dynamic addressing for resources on a peer-to-peer network.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pierre-Michel Bataille whose telephone number is (703) 305-0134. The examiner can normally be reached on Tue-Fri (7:30A to 6:00P).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew M. Kim can be reached on (703) 305-3821. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Pierre-Michel Bataille
Primary Examiner
Art Unit 2186

September 28, 2004

PIERRE BATAILLE
PRIMARY EXAMINER